

**IN THE CLAIMS**

The following listing of the claims is provided in accordance with 37 C.F.R. 1.121.

1. (currently amended) A system for detecting a rub in a turbomachine comprising;

    a turbomachine;  
    sensors monitoring turbomachine conditions; and  
    an on site monitor in communication with the sensors, and loaded with instructions to implement a method for detecting whether a rub is occurring in the turbomachine.

2. (original) The system of claim 1 further comprising a server in communication with the on site monitor via an internet.

3. (original) A method for detecting a rub in a turbomachine, the method comprising:

    monitoring turbomachine conditions; and  
    determining whether a rub is occurring.

4. (currently amended) A storage medium encoded with a machine-readable computer program code for detecting whether a rub is occurring in a turbomachine, the storage medium including instructions for causing a computer to implement a method comprising:

    obtaining data indicating turbomachine conditions; and  
    determining whether a rub is occurring

5.-50. (canceled).